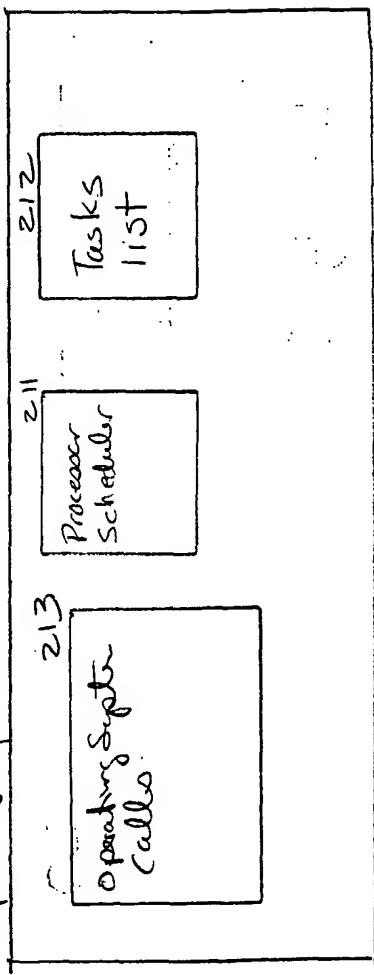


Figure 1

Operating Systems

210



User Program

220

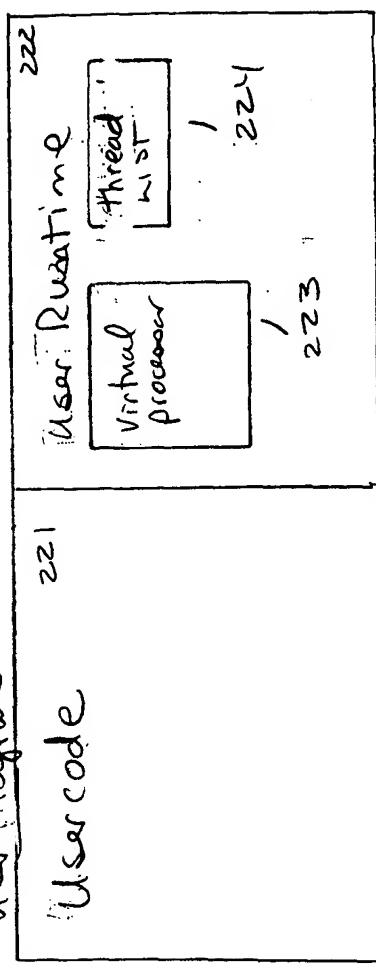


Figure 2

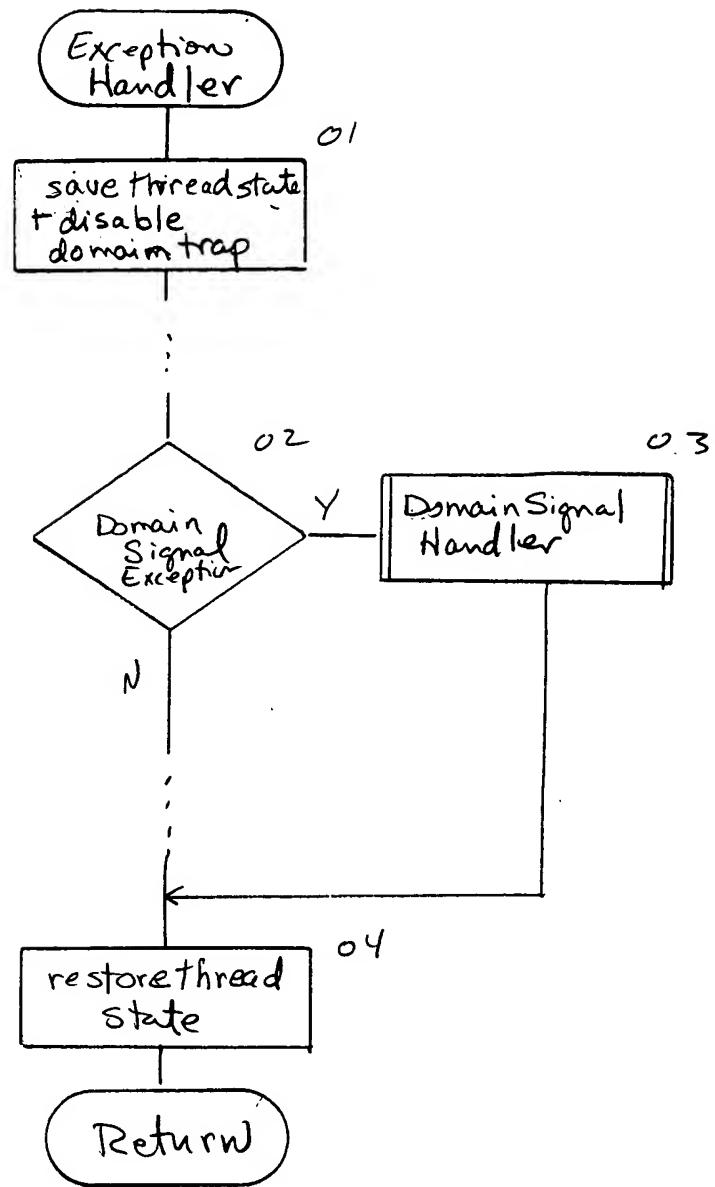
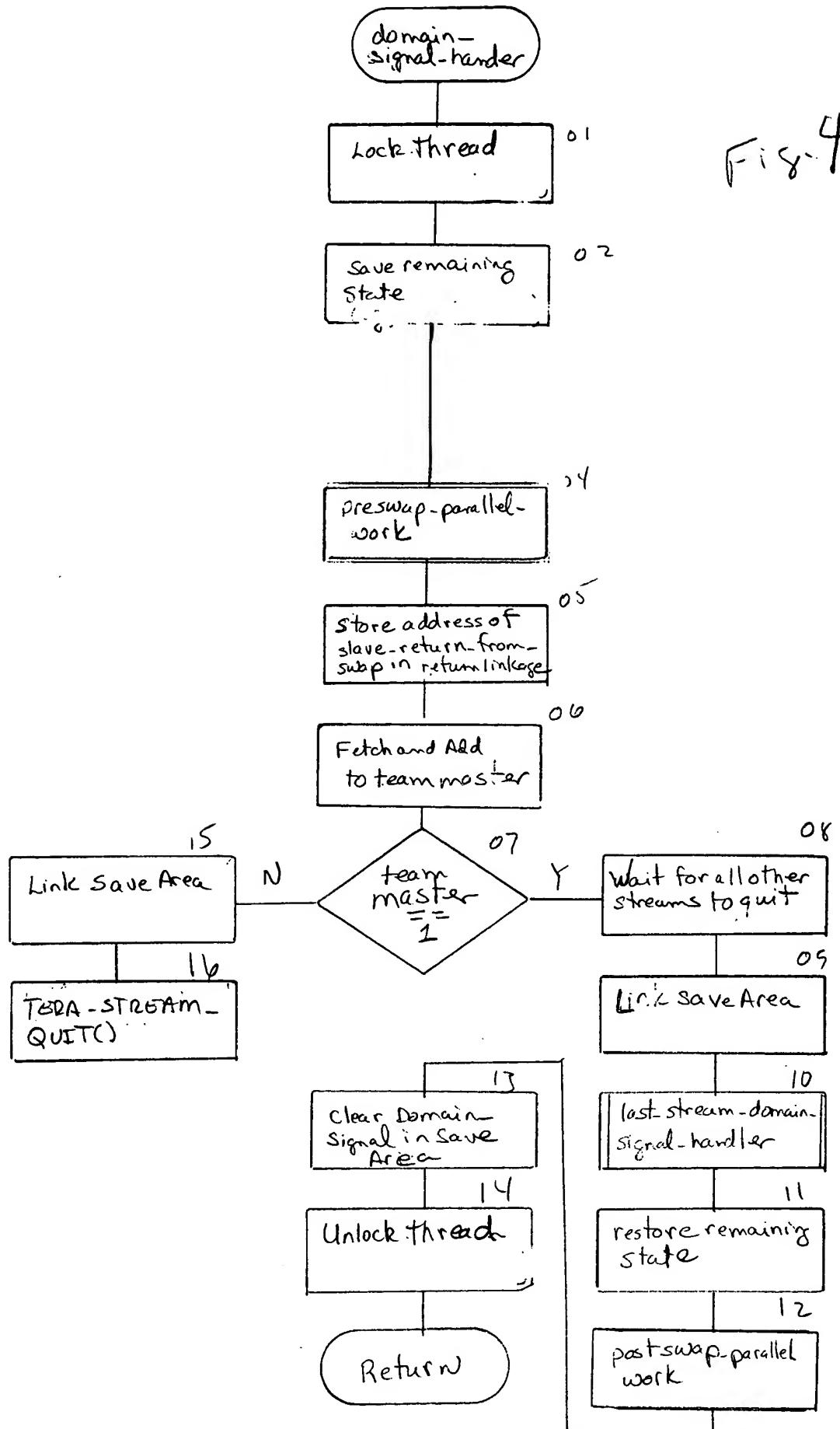
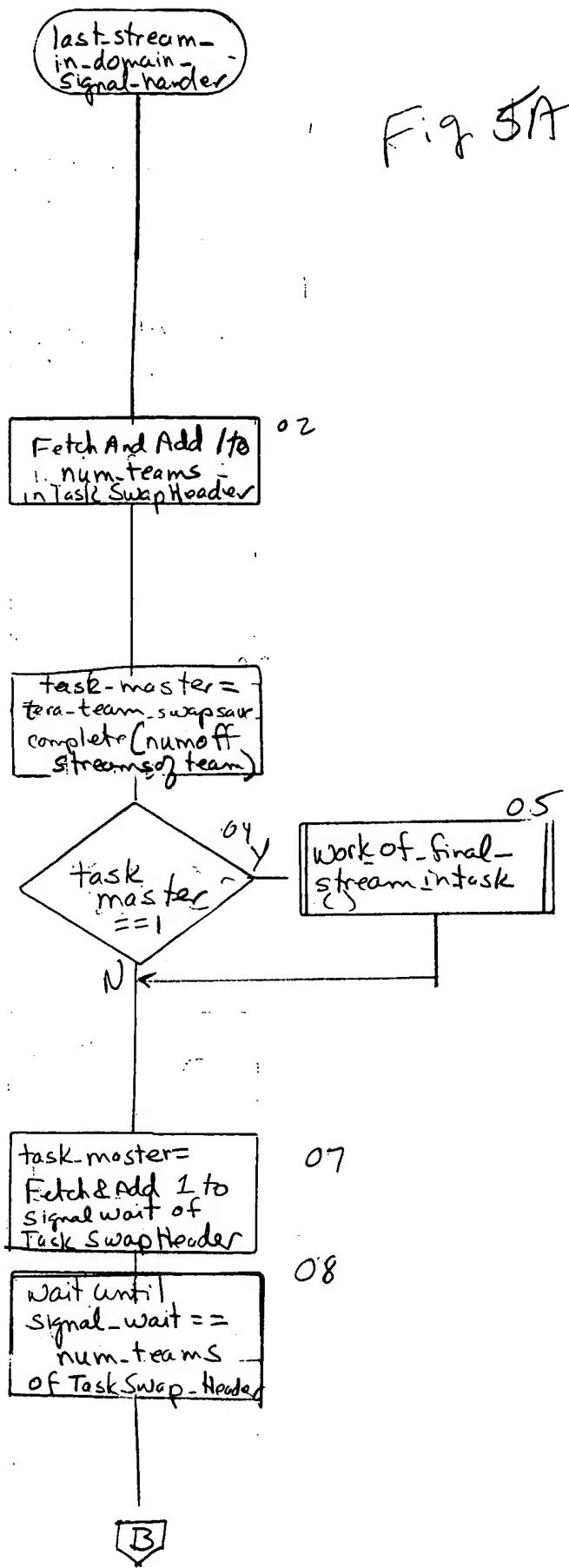
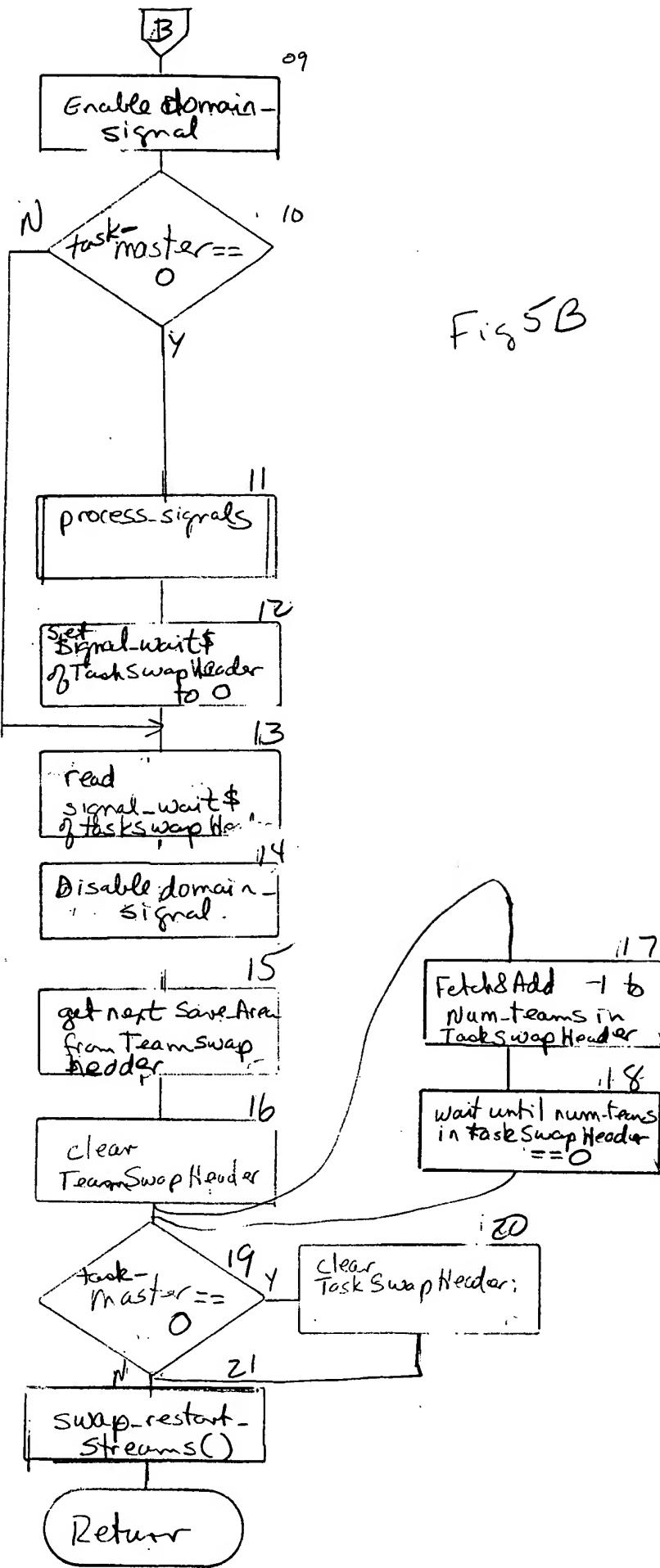


Fig 3







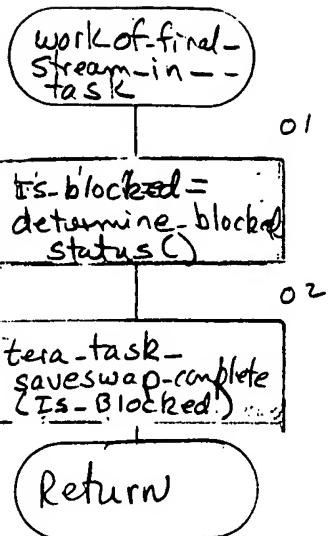


Fig-6

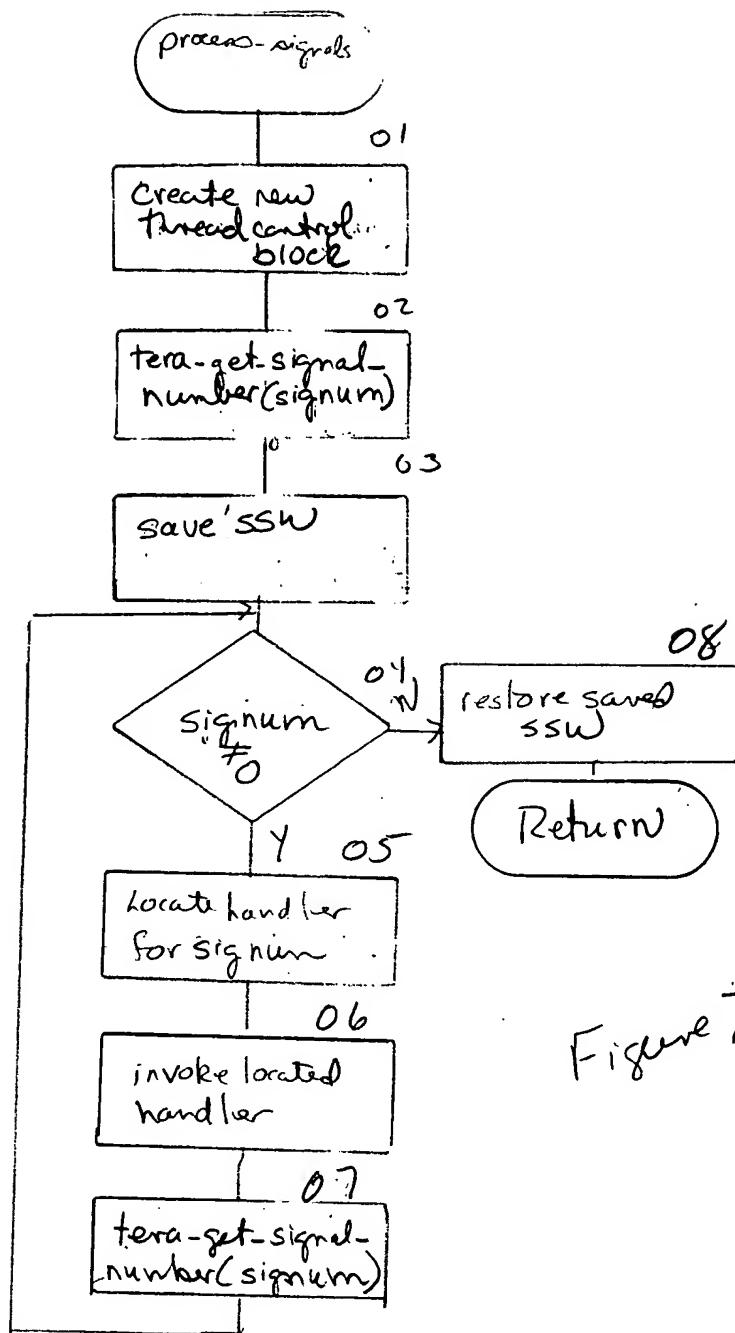


Figure 7

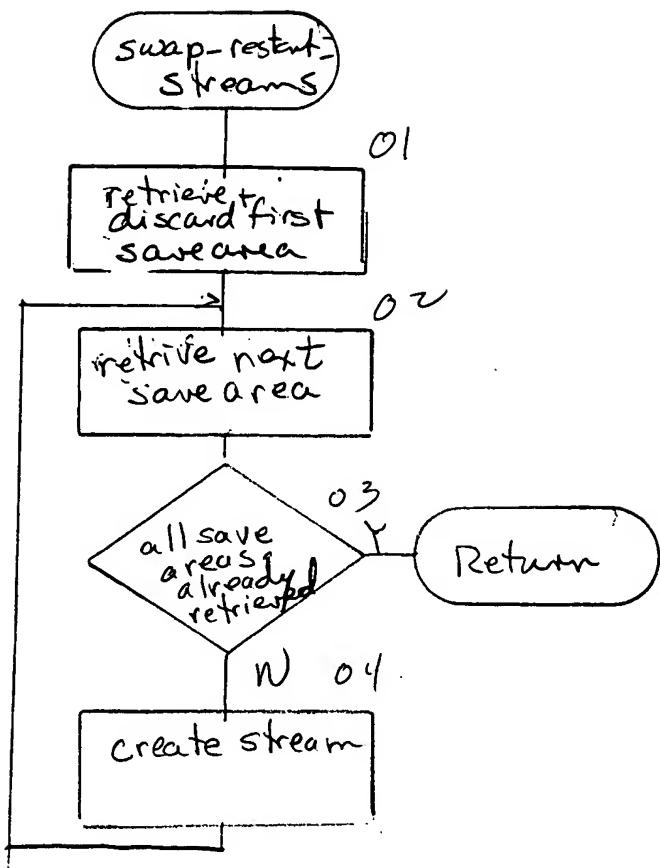


Fig 8

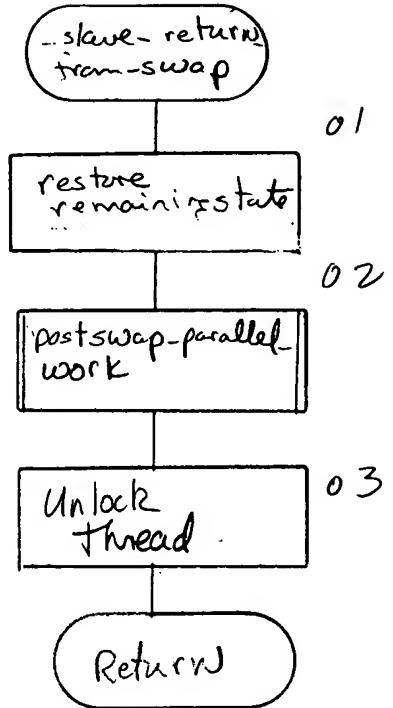
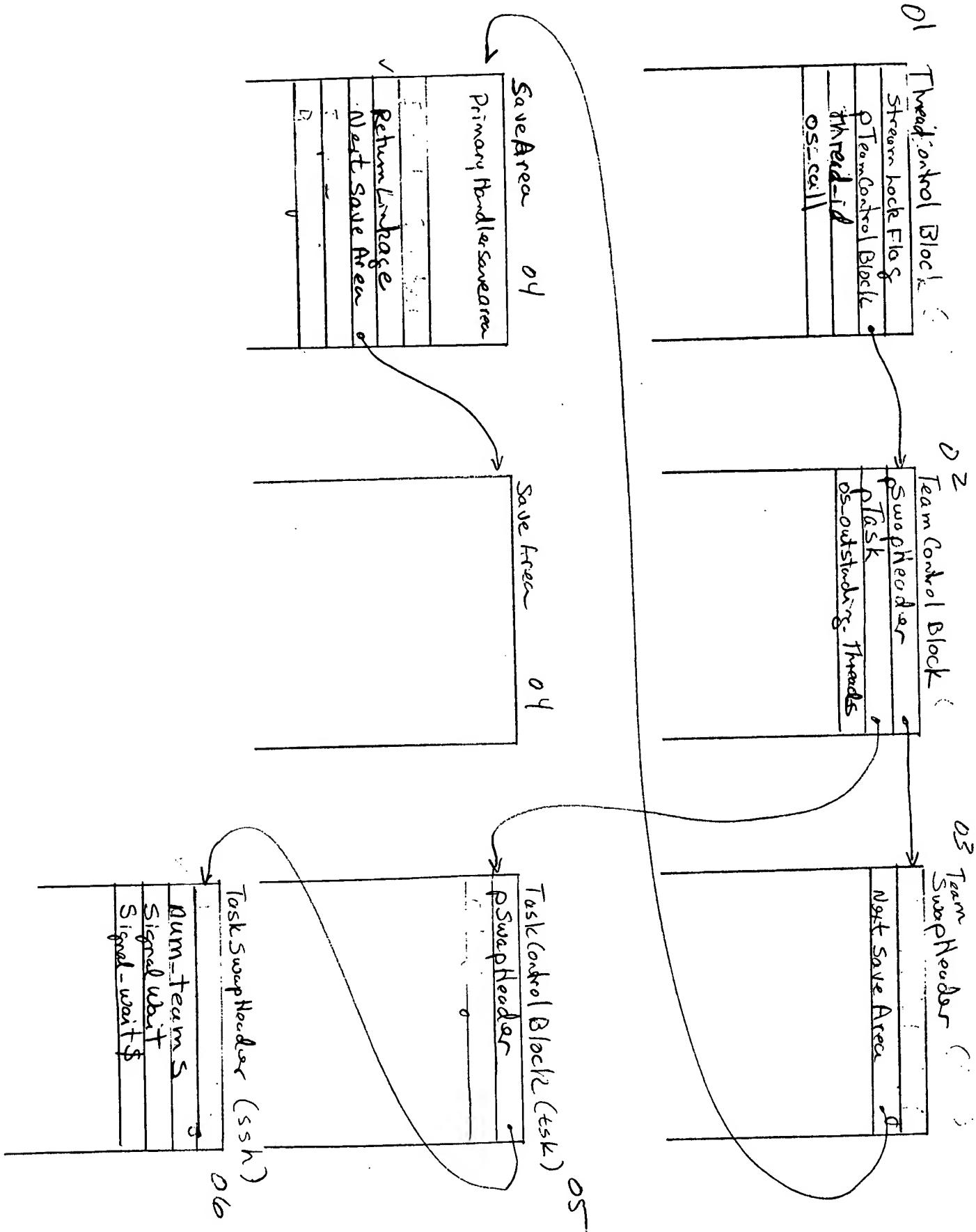


Fig. 9

Figure 10



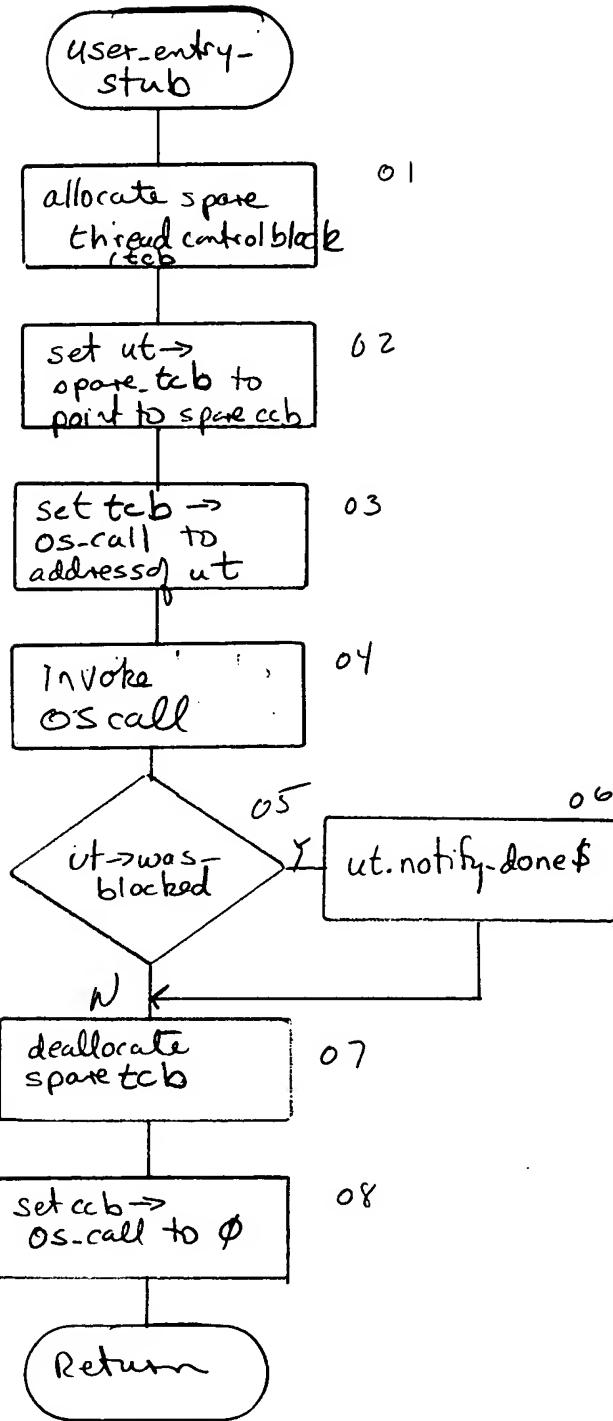


Fig 11

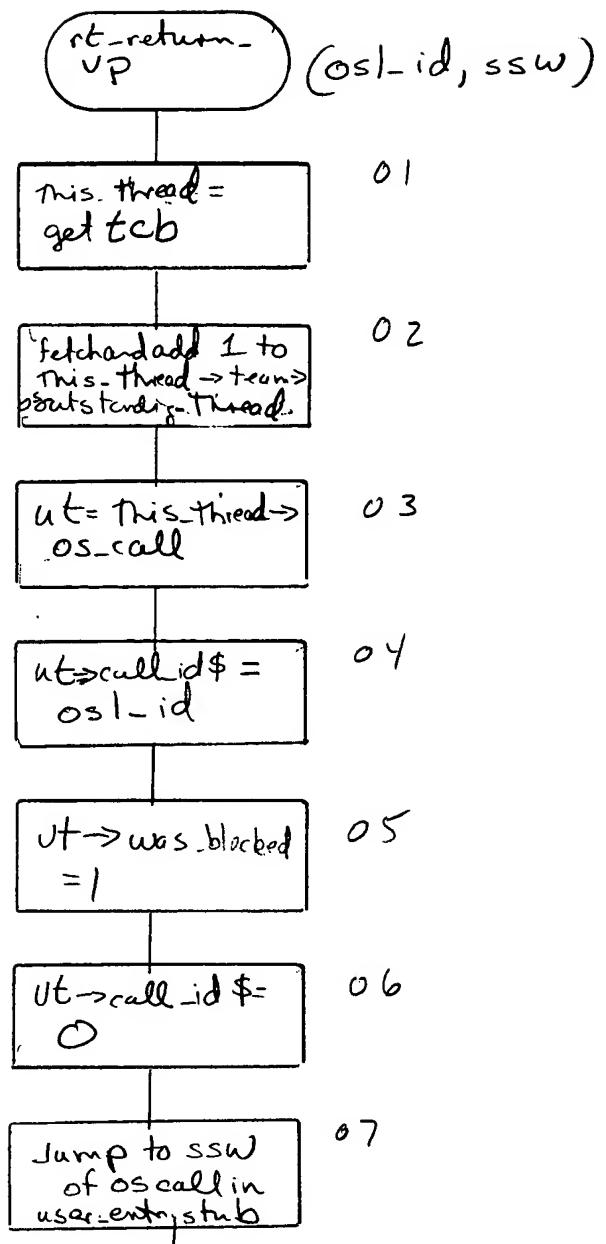


Fig 12

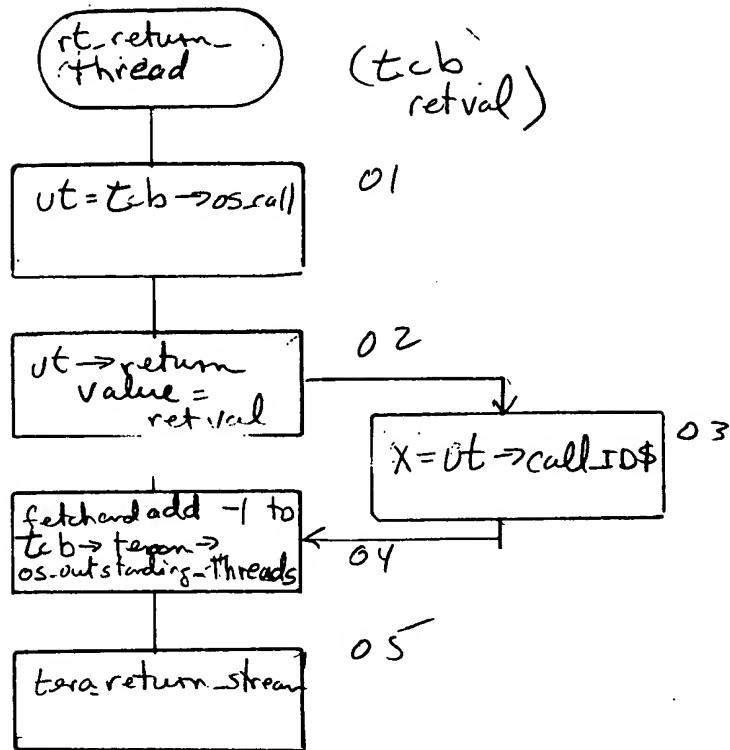


Fig 13

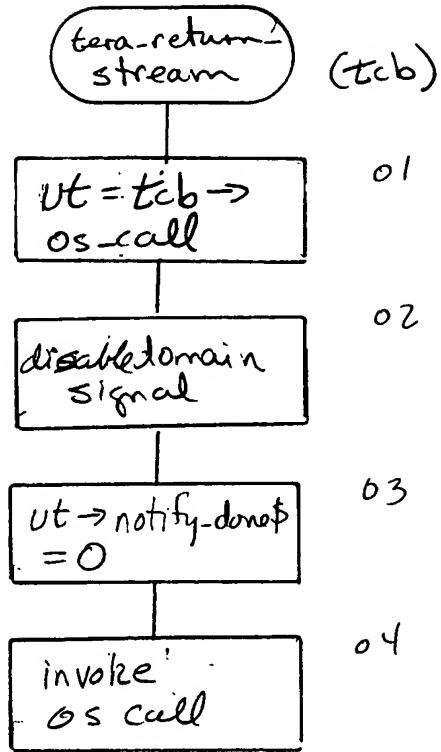


Fig 14

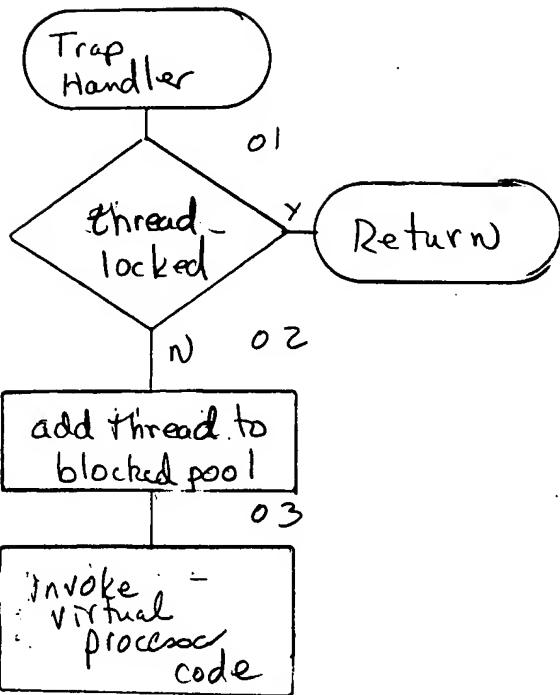


Fig 15

USER STREAM 1601

OS STREAM 1602

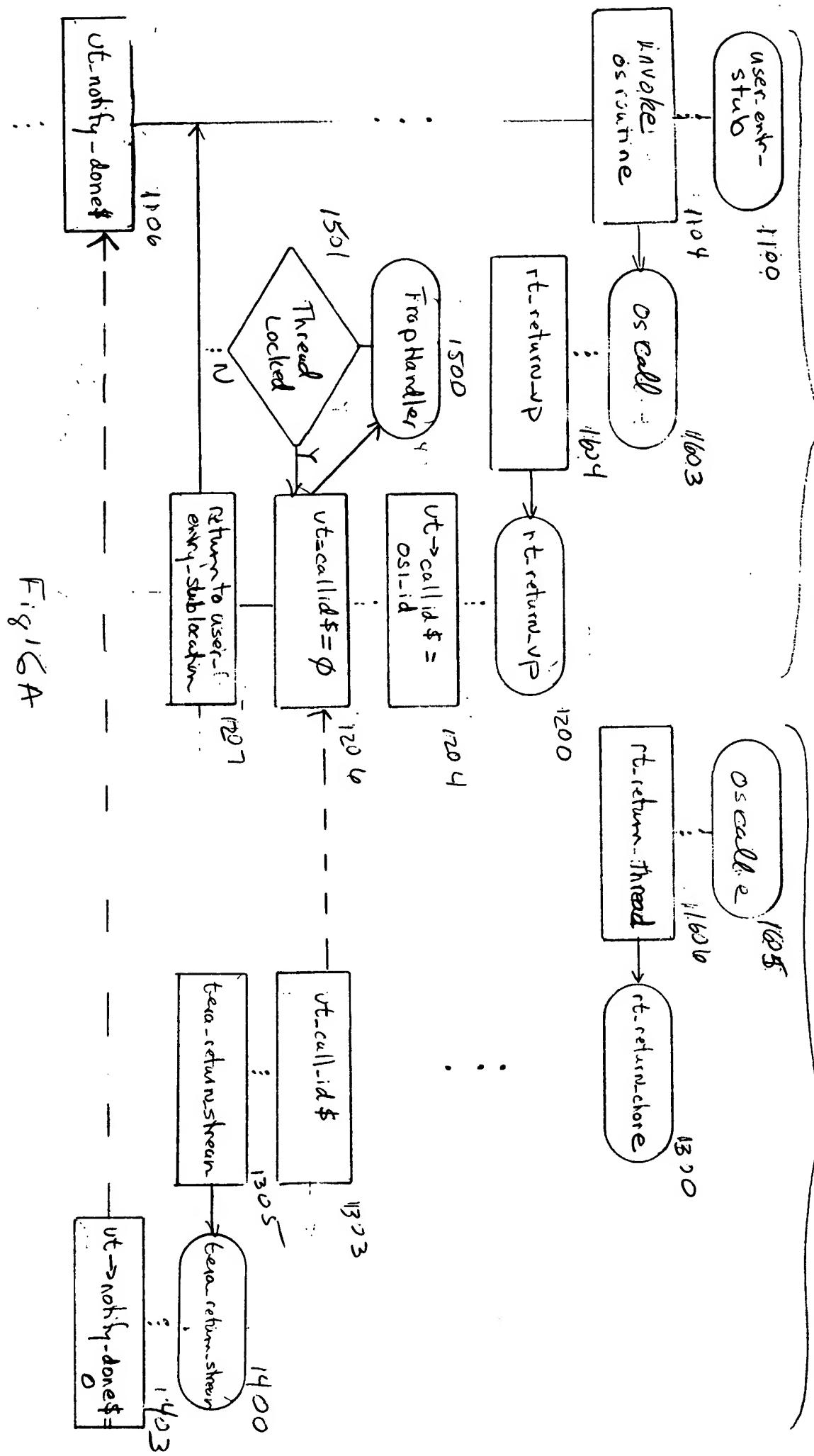


Fig 16A

int
was_blocked
cell_id\$
nah_fn_done\$
spark_tcb
return_value

Figure 16B

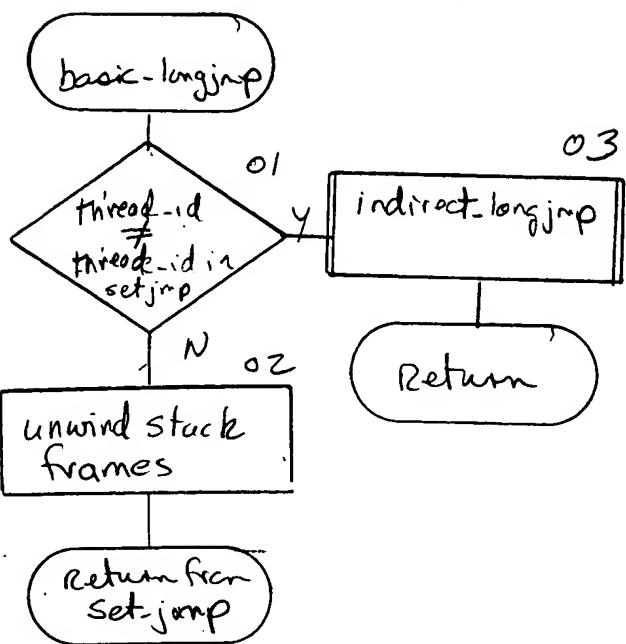


Fig 17

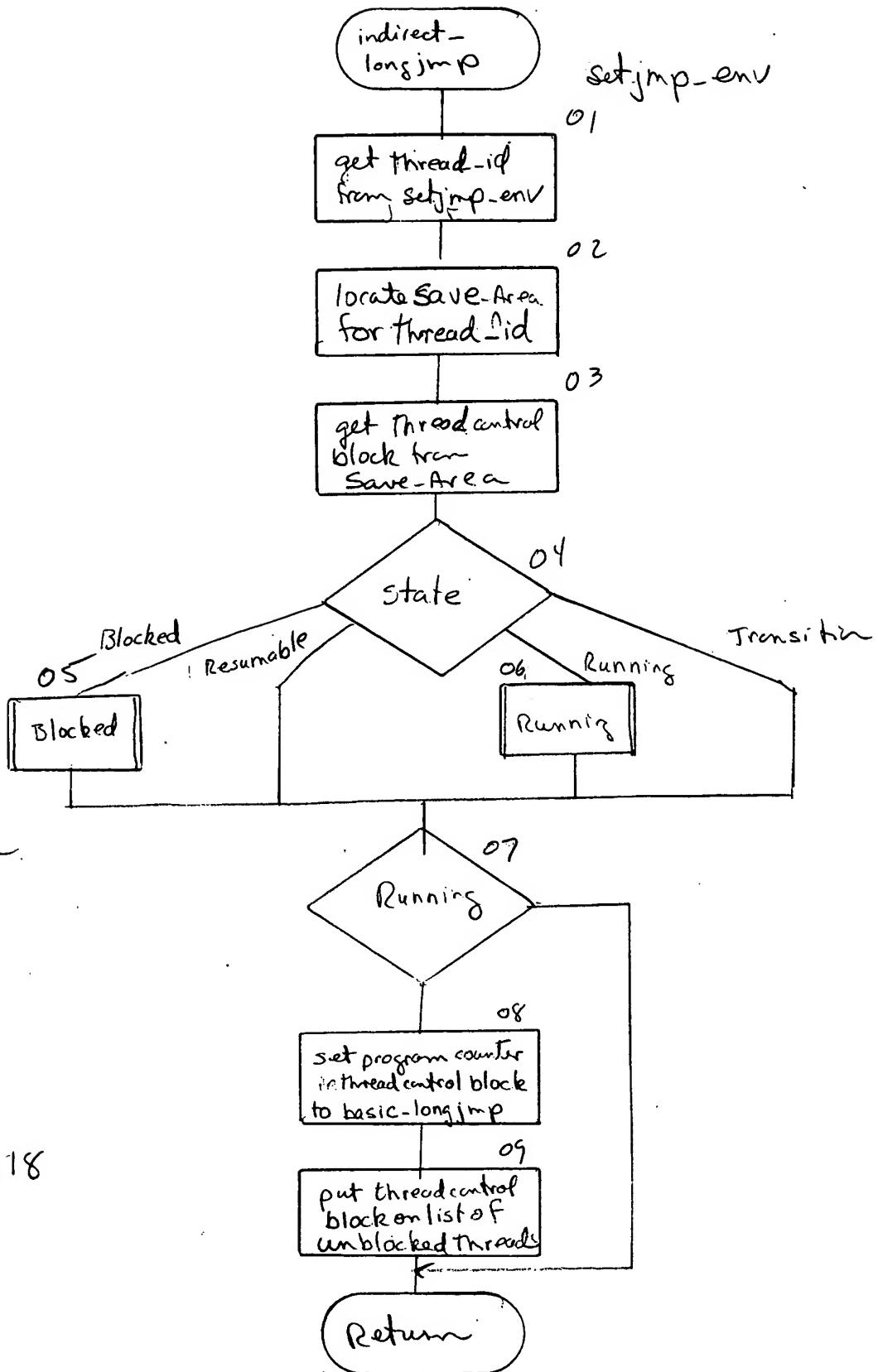


Fig 18

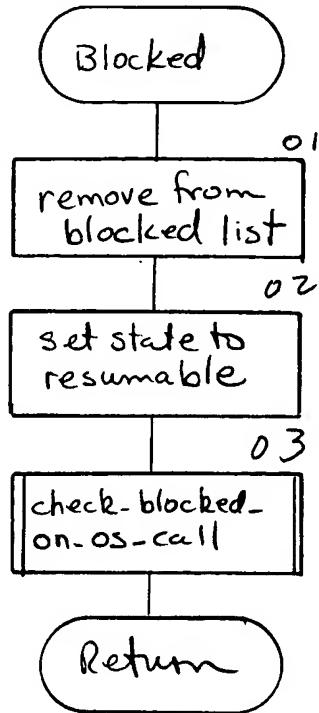


Fig 19

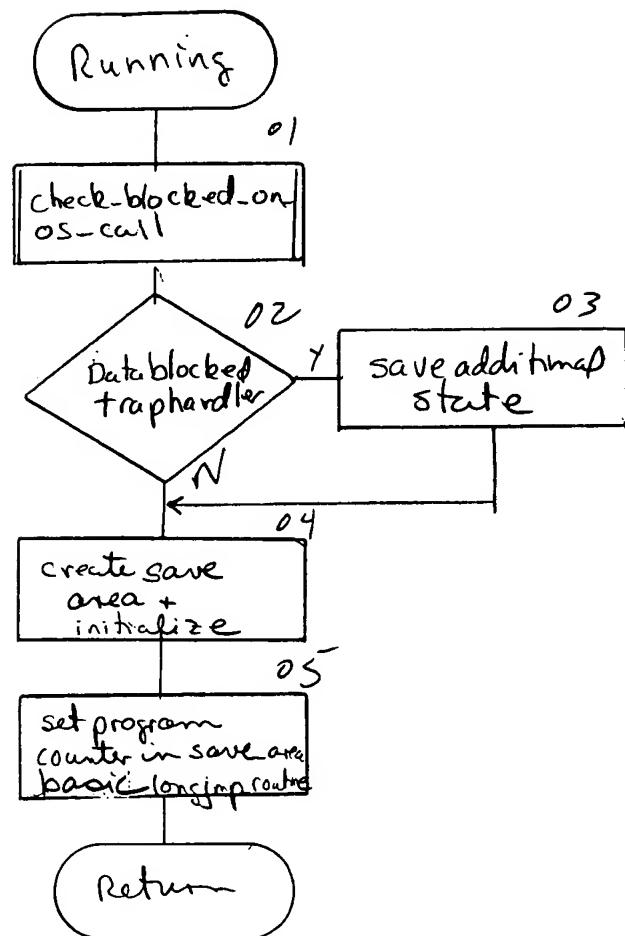


Fig 20

Fig 21-

